IDEA-0271-67 Copy 9 of 9

5 April 67

	MEMORANDUM FOR THE RECORD	
25X1	SUBJECT: Life Support Equipment Meeting	
	25	X1
25X1	l. A meeting was held at on 29 March 1967 to discuss Life Support equipment with the following participants.	
	25	X ₁
	25X	1
25X1 25X1	2. The meeting served a threefold purpose. First, a review and status report on the development of the S-1010 PPA, the ejection seat, parachute, seat kit, and support equipment was presented. Secondly, this review served to bring the	X1
25X I	development could be identified. The requirements for developmental and qualification testing were discussed and plans for final configuration meetingswere tentatively established. The following paragraphs describe the items discussed. 25) a. S-1010 Pilots Protective Assembly: The major	〈 1

design emphasis on the modifications of the S-901 J (SR-71) PPA to the S-101 (U-2R) PPA configuration has been to increase pilot comfort and reduce fatigue. By starting with the S-901 J PPA, the requirement for elaborate windblast, ejection, or parachute drop tests have been eliminated since the S-901 J PPA is qualified for much greater stresses than those which would be encountered in the U-2R's flight envelope. The majority of modifications to be included in the S-101 PPA have also been qualified in other pressure suit programs such as NASA's Gemini program, etc. Other than routine factory qualification testing, there remains to be answered only the question of how effective the proposed PPA will be in providing maximum comfort and fatigue

SECRET

25X1

		CRET TO THE COST OF	
		IDEA-0271-67 Page 2	
attention	e. encountered on to during the deve	on can only be answered by actual elaborated on several minor the S-901 J PPA which require elopment of the S-1010 PPA and discussed with David Clark Co.	
which wil The only involving No develo	is obtaining to be basically to modifications in improved maintenantal testing since the seat k	seat kit/emergency oxygen supply specifications and costs on from the same as the SR-71 seat kit. Included will be minor changes enance and servicing provisions. Or escape system tests yill be cit has been fully qualified in	
SR-71 con	figured parachut the SR-71 zero-	changes are required from the te, which is fully qualified s-zero to maximum speed/altitude	
d. equipment are antic	for the S-1010	s in ground support and test PPA from that used on the 5-891 .	٢
system the SR-71 cations a areas to of the co	proposes to system, there and additions required be resolved is to a trol column thred by the pilot's	use in the U-2R is the same as are significant changes, modifiquired. One of the major problem the adequate and reliable function ruster. The control column must is legs whether the primary or is used and whether or not through	ıi,

25X1

25X1 25X1

25X1

25X1

	Approved for Rele	east 1002/06/1 3 * GIA*RDF 6 B00/724R000200140013-1	25X
		IDEA-0277 Page 3	1-67
25X1	scheduled for late and test requirer of equipment to	nticinated that a follow-up meeting beto Life Support representatives wilte April to finalize a list of qualific ments as well as the final desired conformation. A meeting with	l be ation iguration
25X1	ments.	follow for discussion of these combined attendance at the latter meeting is is determined to be required.	require- will be
			25X
		ASD/R&D/OSA	
25X1	ASD/OSA,	(5 Apr 67)	
	Distribution: 1 - ASD/OSA 2 - D/R&D/OSA 3 - D/O/OSA 4 - D/SA 5 - D/M/OSA 6 - SAS/O/OSA 7 - IDEA Div/O/ 8 - ASD/OSA (Ch	OSA Orono)	

25X1